

Appl. No. 10/800,945

Amdt. dated June 30, 2006

Reply to Office action of June 15, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Listing of Claims:

Accordingly, the scope of this invention is defined in the following claims and their legal equivalent and not restricted by the uses defined in this application.

What is claimed as my invention is:

Claim 1 (currently amended):

A lid for a container, comprising of,
a uniquely designed and developed formed unit which when snugly and securely mounted on an associated mating container, acts as a cooling device by drawing the cooler outside ambient air into the container through a strategically placed cooling air-flow hole and then this cooler air is drawn up along with ~~and over~~ the hot liquid as it is sipped ~~(drawn)~~ through the lid's drinking hole, thus lowering the temperature of the hot liquid by the action of the ambient air outside the cup being pulled down into the cup through the cooling air-flow hole and then continuing up through and out the drinking hole in conjunction with the hot liquid creating a flow though action,
a mounting portion for engaging with an associated container to form a snug fit,
~~a depressed channel that traverses the lid in a circular manner inside the diameter of the container,~~

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a raised portion forming a drinking area plane,
a drinking hole at the top of the drinking area plane,
an angular raised portion adjacent to and raising above and
away from the drinking hole area on the side of the
drinking area plane containing the drinking hole,
an angular recessed portion with its' deepest position at
or above the plane of the lid rim and toward ~~along~~ the
side on which the drinking hole is located,
a cooling air-flow hole located in the angular recessed
portion and on a plane slightly lower than that of the
drinking hole plane and in line along the radius on which
the drinking hole is located,
a cooling air-flow hole of comparable size to the drinking
hole,
a cooling air-flow hole located close enough to the
drinking hole to allow the cooler ambient air outside of
the cup to be pulled into the cup by the vacuum action
created by the sipping action when drinking from the
drinking hole,
a cooling air-flow hole located far enough away from the
drinking hole to allow thermodynamic properties to take
affect on the hot liquid as the cooler ambient air
outside the cup is pulled into the cup and then flows
concurrently out of the drinking hole with the hot liquid
reducing the temperature of the hot liquid,

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a gradually raised portion leading away from and opposite to the drinking hole and cooling air-flow hole, a portion returning to a plane at or below the drinking area plane and on the opposite side of said lid, ~~a portion returning to the plane of the depressed channel,~~ and said HOT DRINK CUP LID WITH COOLING AIR-FLOW being designed for ease in use and economically viable for manufacture and marketing.

Claim 2 (currently amended):

The lid of claim 1 where the position of said cooling air-flow hole is placed in a location of proximity to said drinking hole to facilitate the vacuum action created by sipping from said drinking hole in order to quickly draw the cooler outside ambient air into the cup ahead of the trapped steam vapors and out of said dinking hole along with the hot liquid. in a portion is arranged to mount and seat securely along the rim of an associated container.

Claim 3 (currently amended):

The lid of claim 1 where said cooling air-flow hole is located in such a manner and position as to allow time for the thermodynamics of lowering the absolute temperature of the hot liquid to take effect by drawing the cooler outside ambient air over the higher temperature liquid as the liquid is sipped. in a portion

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~~is arranged to raise up to form a sipping or drinking
area with a hole for same.~~

Claim 4 (currently amended):

The lid of claim 1 where the location of said cooling
air-flow hole is limited to an arced area in said angular
recessed portion of which the optimum location of said
cooling air-flow hole is at the base of said angular
recessed portion and in line along the radius on which
said drinking hole is located. ~~in a portion is arranged to
form an angular raised member and an angular recessed
member adjacent to the drinking hole area and forming the
backside of the drinking hole area.~~

Claim 5 (canceled):

Claim 6 (canceled):